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*Handwritten initials*

PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Pechanek et al.

Serial No.: 10/004,010

Filed: November 1, 2001

For: METHODS AND APPARATUS  
FOR EFFICIENT COMPLEX LONG  
MULTIPLICATION AND  
COVARIANCE MATRIX IMPLEMENTATION

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on the date set forth below:

Signed: Marianna Tortorelli

Name: Marianna Tortorelli

Date: April 23, 2002

Group: 2121

Examiner: Not Assigned Yet

Chapel Hill, North Carolina  
April 23, 2002

Commissioner for Patents  
Attn: Box Missing Parts  
Washington, DC 20231

**RESPONSE TO NOTICE TO FILE MISSING PARTS OF  
NONPROVISIONAL APPLICATION**

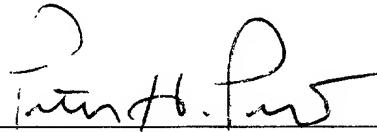
Sir:

In response to the Notice to File Missing Parts of Nonprovisional Application dated December 28, 2001, enclosed is a copy of said Notice and Declarations for the above identified case.

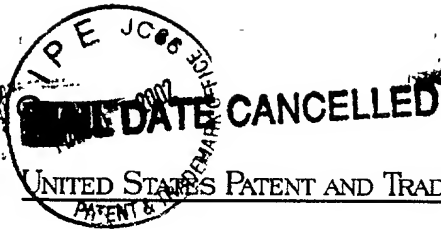
Also enclosed are 21 sheets of substitute drawings and a check in the amount of \$265 to cover the small entity surcharge and two month extension fee. Also enclosed is a corrected Application Data Sheet correcting the domestic priority from November 1, 2001 to November 1, 2000.

Please charge any underpayment or credit any overpayment of these fees to Deposit  
Account No. 50-1058. A duplicate copy of this Response is enclosed.

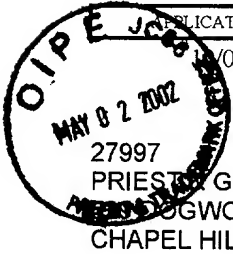
Respectfully submitted,

A handwritten signature in black ink, appearing to read "Peter H. Priest", written over a horizontal line.

Peter H. Priest  
Reg. No. 30,210  
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COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov



APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
004,010	11/01/2001	Gerald G Pechanek	800.0046

CONFIRMATION NO. 7418

FORMALITIES LETTER



\*OC000000007239708\*

Date Mailed: 12/28/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is ~~\$130~~ *\$65. (small entity)*

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

*A copy of this notice **MUST** be returned with the reply.*

*lee*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE